



Multiplelabs
Turnkey Laboratories Solutions

ATL-9380

Spectrofluorometer



►► Salient Features

- Wavelength range 200-760nm or zero order light (optional special photomultiplier can be expanded 200-900nm).
- Measurement of fluorescence, phosphorescence and chemical reactivated ray.
- High signal to noise ratio 200:1 (Raman peak of water).
- Inner photo chopper, reduce the sample exposure time, to protect light sensitive sample.
- Main function: wavelength scanning, time scanning, photo metric method.
- Three dimensional scanning can get a three dimensional picture quickly.
- Multi-optional accessories: Samples of solid reflectance attachment, Polarization attachment, filter and special photomultiplier.
- Deal with functional mapping.

►► Specifications

Light source	Xenon lamp 150W
Mi3nochrornator	excitation and emission monochromator
Dispersive element	Concave diffraction grating Blazed wavelength excitation 300nm, emission 400nm
Wavelength range	200-760nm or zero order light (optional special photomultiplier can be expanded 200-900nm)
Wavelength accuracy	0.5 nm
Wavelength Reproducibility	0.2 nm
Repeatability	0.5 nm
Scanning speed	30, 60, 240, 1200, 2400, 12000, 60000nm/min
	Excitation 1.0, 2.5, 5, 10, 20nm
Bandwidth	Emission 1.0, 2.5, 5, 10, 20nm
Photometric range	-9999 - 9999
Minimum sample	0.5ml (10mm standard cuvette)
Transmission	USB
Standard Voltage	220V 50Hz
Software	Standard spectra scan, 3D spectra scan/measurement, lifetime measurement, Absolute Quantum yield measurement with integrating sphere, Phosphorescent measurement, quantitative measurement, fixed wavelength measurement. Kinetic mode: Kinetic mode and 3D plotting.